Amendments to the Claims:

A Listing of Claims below replaces all prior versions and Listings of the Claims in the present application.

Listing of Claims

---

1. (Currently amended) A method for managing resources in a multiprocessor data processing system, said method comprising the steps of:

B1 defining to multiprocessors in said data processing system at least one resource, together with a quantity and type associated with that resource, said quantity being indicative of resource capacity, said resource also having a level selected from the group consisting of hardware level, operating system level, administrative system level and application level;

determining whether an application level user has requested use of said at least one resource;

determining availability, among said multiple processors, of said requested resource as to level, type and quantity; and

dispatching a user job which requests said resource upon the condition that said determining of availability indicates that said resource is available at the level and in the type and quantity requested.

2. (Previously presented) The method of claim 1 in which said hardware level includes resources selected from the group consisting of CPUs and random access memory.

3. (Previously presented) The method of claim 1 in which said operating system level resource includes virtual memory.

4. (Currently amended) A method for providing [a] an application level user with control of a data processing system having multiple processors, said method having the steps of:

analyzing user supplied command statements which provide access to resources having internal resource models, said resource models including, for each resource, a level, type and quantity description, wherein at least one resource model is defined consistently among said multiple processors, said level being selected from the group consisting of hardware level, operating system level, administrative level and application level; and

interpreting said command statements so that user jobs are scheduled to run and to use resources specified by said command statements.